

Claims

We claim:

16. A transformed tobacco cell comprising a gene encoding a *Bacillus thuringiensis* endotoxin fragment, said gene being under the control of a promoter functional in such plant cell, wherein said gene is expressed at a level rendering such cell toxic to an insect, said gene coding for the amino acid sequence of Figure 1.

17. A transformed tobacco cell comprising a gene encoding a *Bacillus thuringiensis* endotoxin fragment, said gene having the nucleotide sequence of Figure 1 and being under the control of a promoter functional in such plant cell, wherein said gene is expressed at a level rendering such cell toxic to an insect.

18. A genetically modified tobacco plant comprising an insecticide structural gene under control of a plant expressible promoter wherein said insecticide structural gene has the nucleotide sequence of Figure 1 and is expressed under control of said promoter such that tissues of said plant are toxic to insects.

19. A genetically modified tobacco plant comprising an insecticide structural gene under control of a plant-expressible promoter wherein said insecticide structural gene encodes the amino acid sequence of Figure 1 and is expressed under control of said promoter such that tissues of said plant are toxic to insects.

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